

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L1    | 3520 | (381/1,17,92,111,122).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2010/04/25<br>15:05 |
| L2    | 1982 | (381/77,95-97,89,80).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2010/04/25<br>15:05 |
| L3    | 867  | (381/18,335,27).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2010/04/25<br>15:05 |
| S1    | 3    | takumai.in. and \$4speaker and (region\$1 row\$1) and array  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/20<br>11:30 |
| S3    | 1    | takumai.in. and (\$4speaker and (region\$1 row\$1) and array) and (pass\$4 near5 frequency near5 band) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/20<br>13:51 |
| S4    | 62   | yamaha.AS. and \$4speaker and (region\$1 row\$1) and array   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/20<br>13:51 |
| S6    | 4    | ((("7113602") or ("7003124") or ("5146507") or ("5789689")).PN.  | USPAT  | OR               | OFF     | 2008/08/20<br>15:08 |
| S7    | 9    | yamaha.AS. and \$4speaker and (region\$1 row\$1) and array and (opposite near5 end)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/20<br>15:14 |
| S8    | 3    | yamaha.AS. and \$4speaker and (region\$1 row\$1) and array and (small\$3 near5 region\$1)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/20<br>15:17 |

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| S9  | 3081 | (381/1,17,92,111,122).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>15:22 |
| S10 | 317  | "381"/\$.ccls. and directi\$4 and<br>((high near3 pass) treble) and<br>((low near5 pass) bass) and (mid<br>\$3 near3 frequency)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>15:24 |
| S11 | 239  | "381"/\$.ccls. and directi\$4 and<br>((high near3 pass) treble) and<br>((low near5 pass) bass) and (mid<br>\$3 near3 frequency) and<br>\$4speakers                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>15:25 |
| S12 | 625  | (381/18,335).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>15:43 |
| S13 | 50   | "381"/\$.ccls. and directi\$4 and<br>((high near3 pass) treble) and<br>((low near5 pass) bass) and (mid<br>\$3 near3 frequency) and<br>((transducer \$4speaker\$1) near5<br>array) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>15:56 |
| S14 | 24   | ("4468530").URPN.  | USPAT  | OR | OFF | 2008/08/20<br>16:06 |
| S15 | 201  | (381/27).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>19:02 |
| S16 | 169  | "381"/\$.ccls. and directi\$4 and<br>((high near3 pass) treble) and<br>((transducer \$4speaker\$1) near5<br>array)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/20<br>19:08 |
| S17 | 11   | "381"/\$.ccls. and ((transducer<br>\$4speaker\$1) near5 array)<br>near20 stereo near20 surround  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>09:51 |
| S18 | 6    | "381"/\$.ccls. and ((transducer<br>\$4speaker\$1) near5 array) and<br>(stereo near20 surround near20<br>filter\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>09:53 |

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| S19 | 36   | "381"/\$.ccls. and (transducer\$1 \$4speaker\$1) and (stereo near20 surround near20 filter\$3)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>09:54 |
| S20 | 5    | "381"/\$.ccls. and (transducer\$1 \$4speaker\$1) and (stereo near20 surround near20 filter\$3 near20 cent\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>09:54 |
| S21 | 95   | "381"/\$.ccls. and (transducer\$1 \$4speaker\$1) and ((stereo surround) near20 filter\$3 near20 cent\$3)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>09:57 |
| S22 | 1    | "381"/\$.ccls. and ((frequency near3 band) near10 increas\$3 near10 opposite near10 cent\$3 near10 array)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>10:01 |
| S23 | 23   | "381"/\$.ccls. and (frequency near10 (middle center) near10 (\$4speaker\$1 transducer\$1) near10 array)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/08/22<br>10:07 |
| S24 | 5    | ("4747142").URPN.   | USPAT  | OR | OFF | 2008/08/22<br>10:21 |
| S25 | 1    | ("5953432").URPN.   | USPAT  | OR | OFF | 2008/08/22<br>10:21 |
| S26 | 3245 | (381/1,17,92,111,122).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:25 |
| S27 | 646  | (381/18,335).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:25 |
| S28 | 209  | (381/27).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:25 |
| S29 | 3    | takumai.in. and \$4speaker and (region\$1 row\$1) and array   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:25 |

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| S30 | 6    | konagai.in. and \$4speaker and (region\$1 row\$1) and array   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:27 |
| S31 | 9    | yamaha.AS. and \$4speaker and (region\$1 row\$1) and array and (opposite near5 end)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:27 |
| S32 | 1878 | (381/77,95-97,89,80).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/20<br>14:40 |
| S33 | 0    | takumai.in. and \$4speaker and (region\$1 row\$1) and array and (center near5 channel near5 direction\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/28<br>15:42 |
| S34 | 0    | takumai.in. and \$4speaker and (region\$1 row\$1) and array and (center near5 direction\$1)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/28<br>15:42 |
| S35 | 1    | takumai.in. and \$4speaker and (region\$1 row\$1) and array and direction\$1                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/28<br>15:42 |
| S36 | 0    | takumai.in. and \$4speaker and (region\$1 row\$1) and array and (center near5 non-direction\$1)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/28<br>15:43 |
| S37 | 0    | takumai.in. and \$4speaker and (region\$1 row\$1) and array and (non-direction\$1)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/03/28<br>15:43 |
| S38 | 3367 | (381/1,17,92,111,122).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/09/13<br>17:40 |
| S39 | 659  | (381/18,335).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/09/13<br>17:40 |

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| S40 | 214  | (381/27).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/09/13<br>17:40 |
| S41 | 1928 | (381/77,95-97,89,80).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2009/09/13<br>17:40 |
| S42 | 1    | "381"/\$.ccls. and frequency<br>near10 band near10 \$4speaker<br>\$1 near10 opposite near10<br>(center central) near10 array   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/04/22<br>10:14 |
| S43 | 0    | "381"/\$.ccls. and (requecy<br>near10 band near10 \$4speaker<br>\$1 near10 opposite near10<br>(center central) near10 array)<br>and decrease   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/04/22<br>10:16 |
| S44 | 0    | "381"/\$.ccls. and (requecy<br>near10 band near10 \$4speaker<br>\$1 near10 opposite near10<br>(center central) near10 array)<br>and decreas\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/04/22<br>10:17 |
| S45 | 1    | "381"/\$.ccls. and (frequency<br>near10 band near10 \$4speaker<br>\$1 near10 opposite near10<br>(center central) near10 array)<br>and decrease   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/04/22<br>10:17 |
| S46 | 0    | "381"/\$.ccls. and (high\$2 near10<br>frequency near10 band near10<br>(allocat\$3 assign\$3 reallocat\$3<br>allot\$3 portion\$3) near10 (small<br>\$3 decreas\$3) near10 number<br>near10 \$4speakers) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2010/04/22<br>12:38 |

### EAST Search History (I nterference)

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